

REMARKS/ARGUMENTS

Various claims are being amended as shown above. The claim amendments clarify the claim language and are not intended to limit the scope of the claims, unless the claim language is expressly quoted in the following remarks to distinguish over the cited art. No new matter is introduced by the amendment shown above.

Alvarez discloses a method to activate or inactivate a page by use of the inactive memory 230 and active memory 220. Alvarez lacks a method/device/assembly/apparatus for producing a device having a reduced memory capacity and a dormant memory wherein the memory capacity is reduced by inactivating at least one row of a memory bank of the device or at least one column of the memory bank of the device. Novak is directed to a method/apparatus for optimizing memory performance with opportunistic refreshing, where a processor cannot access an SDRAM while a refresh operation is taking place. As noted in Novak, column 1, lines 23-31, SDRAM chips are refreshed in order to recharge the SDRAM capacitors which lose their charge over time. Since the SDRAM capacitors are recharged by the refresh operations, the refresh operation causes the SDRAM to continue to store data and retain the stored information. Therefore, the SDRAM is not prevented from storing data. Independent claim 1 is being amended that recite various features that distinguish over the Alvarez-Novak combination. Accordingly, claim 1 is patentable over the Alvarez-Novak combination. Various independent claims are also being amended to recite similar features that are

not disclosed nor suggested by the Alvarez-Novak combination. Accordingly, various independent claims are each patentable over the Alvarez-Novak combination.

For the above reasons, Applicants respectfully request allowance of all pending claims.

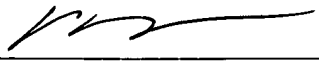
If the undersigned attorney has overlooked a teaching in any of the cited references that is relevant to the allowability of the claims, the Examiner is respectfully requested to specifically point out where such teachings may be found.

CONTACT INFORMATION

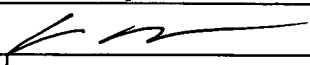
If the Examiner has any questions or needs any additional information, the Examiner is invited to telephone the undersigned attorney at (805) 681-5078.

Date: July 18, 2005

Respectfully submitted,
Patricia Brown, et al.


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